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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,202	01/21/2004	Kia Silverbrook	RRA03US	1355
24011	7590	08/15/2006	EXAMINER	
SILVERBROOK RESEARCH PTY LTD 393 DARLING STREET BALMAIN, NSW 2041 AUSTRALIA			HUFFMAN, JULIAN D	
			ART UNIT	PAPER NUMBER
			2853	

DATE MAILED: 08/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/760,202

Applicant(s)

SILVERBROOK, KIA

Examiner

Julian D. Huffman

Art Unit

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 31 May 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1 March 2006 has been entered.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Silverbrook (U.S. 20020154189 A1) in view of Katayama et al. (U.S. 5,353,051).

Silverbrook discloses:

With regards to claim 1, an inkjet printer cartridge (figs. 3 and 9) including:

a body (fig. 3, the cartridge has a body, 0025, 0051) including,

a printing fluid storage (0055, fig. 9, the rectangular portions below the printheads represent the fluid storage), and

a printhead including at least 20,000 printing fluid delivery nozzles in fluid communication with the printing fluid storage (printhead chips together make up a pagewidth printhead, which is mounted on the cartridge of fig. 3, 0044-0045, 0089, 0090);

wherein said cartridge is configured to be replaceably receivable in a complementary cradle so that when mated together, said cartridge and said cradle together form an inkjet printer (fig. 7).

With regards to claim 2, a printer cartridge according to claim 1, wherein the printhead includes at least 30,000 printing fluid delivery nozzles in fluid communication with the printing fluid storage (0090).

With regards to claim 3, a printer cartridge according to claim 2, wherein the printhead comprises a pagewidth printhead (0090).

With regards to claim 4, a printer cartridge according to claim 3, wherein the printing fluid storage comprises a collapsible membrane, said membrane defining one or more storage reservoirs for separately storing one or more printing fluids for printing (the reference incorporates by reference several applications and patents, including application number 10/113053, U.S. Patent 6,362,868, which recites in claim 10, ink reservoirs with collapsible membranes).

With regards to claim 5, a printer cartridge according to claim 4, wherein the one or more printing fluids is a set of coloured inks sufficient for colour printing (0056, CMYK).

With regards to claim 6, a printer cartridge according to claim 5, wherein the one or more printing fluids includes an ink fixative for facilitating fixing of ink following

delivery by said fluid delivery nozzles (0056).

With regards to claim 7, a printer cartridge according to claim 6, wherein the one or more printing fluids includes an infrared ink (0056).

Silverbrook also discloses the print cartridge mounted in a recess of a cradle of an inkjet printer (fig. 7).

Silverbrook does not expressly disclose a printhead mounted in a replaceable manner.

However, Katayama et al. discloses a replaceable printhead mounted in a printer (column 11, lines 41-47).

It would have been obvious to one having ordinary skill in the art to modify the printer cartridge of the above embodiment to be a replaceable printer cartridge, as taught by Katayama et al. for the purpose of enabling the user to easily replace the entire printhead assembly with a new assembly should the old assembly fail.

### ***Response to Arguments***

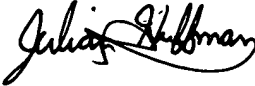
4. Applicant's arguments are moot in view of the new grounds of rejection necessitated by the amendment.

**Conclusion**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julian D. Huffman whose telephone number is (571) 272-2147. The examiner can normally be reached on 10:00a.m.-6:30p.m. Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
Julian D. Huffman  
Art Unit 2853  
7 August 2007